

VASSOYEVICH, N.B.; KOVACHEVA, Y.S.

Content of autochthonous bituminoid in soils and the detection of
the presence in them of petroleum allochthon bituminoids. Trudy
VNIGRI no.227 Geokhim.sbor. no.9:132-160 '64.

(MIRA 18:1)

SOKOLOV, V. A.; ZHUKOV, T. P.; VASSOVICH, N. B.; ANTONOV, P. L.; GRIGOR'YEV, G. G.
and KOZLOV, V. P.

"Migration processes of Gas and Oil, their Intensity and Directionality."

Abstract. The article gives a description of the processes of migration of oil and gas, their intensity and direction in various stages of the existence of sedimentary rocks. In the early stages of the formation of sedimentary rocks the processes of migration cause a removal of excess gases into aqueous medium and into the atmosphere as well as a primary accumulation of free gases in sediments and their solutions in underground waters.

During oil and gas accumulation and the formation of their deposits the following processes play the main parts: transfer of oil in a dissolved state both in compressed gases and in the water, a removal of dissolved gas and oil components from the water, condensation of liquid hydrocarbons from gases at decreasing temperature and pressure and then oil and gas buoyancy in porous waterbearing beds and rock mass.

The oil and gas pool formed undergo dissemination due to the processes of filtration, diffusion as well as due to the solution and removal of gas and oil by the water surrounding their pools.

The processes of filtration are found to be most intensive during tectonic shifts and they can cause the degassing of a pool within a short period of time.

report to be submitted for the 6th World Petroleum Congress, Frankfurt, West Germany,
19-26 June 1963

Gas anomalies observed on various levels of a section and in surface layers above oil and gas pools testify to the vertical migration of gases and to continuous processes of dissemination of oil and gas pools.

Diffusion coefficients D, for various types of rocks studied vary between 10^{-4} - 10^{-6} cm²/sec. In some cases one can observe the dying of diffusion of the low values of D. At "D" equal to 10^{-3} - 10^{-4} cm²/sec. the dissemination of gas pools by stiblionic diffusion alone is so great that their preservation within geologic time can be explained by the unsteadiness of the process and by the phenomena of the dying out of the diffusion reducing gas losses as well as by the recent, in a geologic sense, formation of these pools or by a continuous replacement of the gas due to its inflow from deeper beds.

Considering the problem of the time of the formation of gas accumulations one should take into account not only the age of a trap but also the amounts of possible gas losses.

VASSOYEVICH, N.B.

V.I.Vernadskii's concept of petroleum origin. Sov.geol. 6 no.3:25-42
Mr '63. (MIRA 16:3)

1. Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologirazvedochnyy
Institut.

(Petroleum geology)

VASSOEVICH, N.B.

Role of organic matter in the natural history of petroleum
in the light of Academician V.I. Vernadskii's concept. Geol.
nefti i gaza 7 no. 3:49-52 Mr '63. (MIRA 16:4)

1. Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologo-
razvedochnyy institut.
(Petroleum geology) (Organic matter)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859020009-7

VASSEYEVICH, N. B.; HERUCHEV, S. G.

"Origin, evolution and primary migration of microoil."

report submitted for 22nd Sess, Intl Geological Cong, New Delhi, 14-22 Dec 64.

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859020009-7"

VASSOYEVICH, N.B.; BEZHAYEV, M.M.

Origin of block breccia and conglomerates in the Carboniferous
flysch of the eastern slope of the Central Urals. Lip. i pol.
iskop. no.6:74-82 N-D '64. (MIRA 1803)

VASSOYEVICH, N.B.

Contribution of A.D. Arkhangel'skii to the development of the
problem of oil formation. Vest. Mosk. un. Ser. 4: Geol. 20
no.4:5-15 Jl-Ag '65. (MIRA 18:9)

VASTA, M.

U.S.S.R. Critical evaluation of some procedures for
the analysis of para-formaldehyde, formaldehyde,
and acetone. *Rev Inst Synth Compos Industrielle*
Constituent Chem Lett, 1966, 60 (13),
203; 2034. When determining hydroxymethyl
groups in para-formaldehyde resins by means of
commonly used methods, the presence of ethers
and similar derivatives of these compounds in technical
products causes interference. The stability of these
functional groups was studied by the use of alkaline
and acid hydrolysis. The Jong method (*Ind Eng Chem*,
Phys-Eng Chem, 1952, 71, 843) was found
suitable for this purpose. Formaldehyde liberated
in alkaline medium reacts with KCN and the
excess of cyanide is determined by titration with
 $Hg(NO_3)_2$, with diphenylcarbazone as indicator.
When determining the stability in acid medium,
the sample is treated with phenol in the presence of
toluenes- ρ -sulphonic acid and the liberated water
is determined by means of the Karl Fischer titration.
sym-Dihydroxymethylurea, *di*(phenylureido-
methyl) ether, methylphenylbisphenylurea and
sym-dimethoxymethylurea were used for studying
this method.

J. ZYKA

M. OLY

V A C T A M

⁴ Analyzing cross-formaldehyde condensation products. J. Salk
and M. Vassil'Yev. *Zhur. Khim. Upravleniia*, 1957, 22, 667-669.
Methods proposed for the determination of methylid groups in
alkaline and acid solution are tested on pure samples of di-
methylidurea, bis-phenylcarbomethoxymethyl ether, methylene bis
phenylcarbamide and dimethylidene dimethyl ether. In alkali
the free CH_2O is determined by addition of excess of NaBH_4 and
titration of the excess with HgCl_2 . In acid the methylid groups
and dimethylene ether bridges are determined by reaction with
phenol in the presence of p -toluenesulphonic acid, and titration of
the water formed with Kari Fischer reagent. The cyanide method
gives the methylid groups plus the dimethylene ether bridges;
the methylene bridges are not attacked, while the etherified methylid
groups react slowly but never completely. By the phenol method
the methylid groups and dimethyl ether bridges can be determined
quantitatively.

A. B. Densukha

VAN DER, L.; VELKÁ, J.

"Reaction of diisobutylchlorides with the K. Fischer reagent." In German.

P. 656. Collection of Czechoslovak Chemical Communications, Sbornik Československých
Khimických Prací. (Práha, Czechoslovakia) Vol. 14, no. 2, Apr. 1957.

50: Monthly Index of East European Accession (MIA) LC, Vol. 7, No. 5, May 1958

Country : U.S.S.R./U.S.S.R.
Category : Laboratory Equipment. Instruments. Their
"F"
Date, year : March - April, 1959, No. 15161.
Author : Vasta, I.
Inventor :
Title : Titration Reorts for Determining Water by
Means of Fischer's Reagent
Print. Date : Chem. Listy, 1959, 52, No 3, 763-764
Abstract : Three types of reorts are proposed for titration
with Fischer's reagent; 1) for determination
of water in readily soluble samples; 2)
for determination of water in samples not
readily soluble; 3) for determination of reac-
tion water in sealed ampoules. In all cases,
instead of a glass connection between the re-
ort and burette, a connection of rubber tub-
ing is used. The reagent is removed from the
instrument after each determination to prevent

Page: 1/2

F - 4

Country	:	CZECHOSLOVAKIA
Category	:	Laboratory Equipment. Instruments. Their Theory, Construction, Use
Abs. Jour	:	Her Zahr - Klim., No. 5, 1959, No. 15184
Author	:	
Institut.	:	
Title	:	
Orig. Pub.	:	
Abstract Cont'd	:	damage to the rubber tubing. All retorts are equipped with electromagnetic or mechanical mixers, necks with sections for the introduc- tion of the reagent, and standard solutions or electrodes.--- V. Knesslova
Card:	2/2	

(3)

CZECHOSLOVAKIA

KOLINSKY, J; VASTA, M; CHROMECEK, R; BOHDANECKY, M

1. Research Institute of Chemical Technology, Usti nad
Labem - (for ?); 2. Research Institute of Synthetic
Resins and Lacquers, Pardubice - (for ?). (Present
address of Chromecek and Bohdanecky; Institute of
Macromolecular Chemistry, Czechoslovak Academy of
Sciences, Prague)

Prague, Collection of Czechoslovak Chemical Communications,
No 7, July 1966, pp 2714-2726

"Kinetics of the etherification of phenol alcohols. Part I:
Effect of structure of the phenol alcohol on the rate of
etherification."

L 31762-65 EWP(e)/EPK(s)-2/EMT(e)/EPF(c)/EPR/EWP(j)/P/EWP(b) Pg-4/Pq-4/
Fr-4/Ps-4/Pt-10 NW/RM/NH

ACCESSION NR: AP4047851

G/0004/64/011/010/0591/0594

AUTHOR: Zyonar, V. (Graduate engineer); Vasta, K. (Graduate engineer)

TITLE: Surface phenomena at the glassfiber-resin interfaces in reinforced laminates

SOURCE: Plaste und Kautschuk, v. 11, no. 10, 1964, 591-594

TOPIC TAGS: fiberglass, glass plastic, reinforced laminate, glass resin interface, polyester mechanical property, polyester swelling, polyester adhesion

ABSTRACT: The mechanical properties of glassfiber-reinforced laminates of polyester resin are determined by the conditions at the interface of the adhesive and fiber as well as by the specific properties of the respective materials. The mechanical properties are generally adversely affected by water to a considerable degree. The changes, however, are mostly reversible. Variations in the bending strength and the elasticity modulus are markedly dependent on the varying amounts of water that penetrate the laminate. This raises the question of how such large amounts of water get in. Polyester resin takes up approximately 0.05% to, at a maximum, 0.1% moisture, which would hardly be enough to change its properties to any noticeable extent. The surface of the glass fibers picks

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ACCESSION NR: AF4047851

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up a layer of water, several hundred molecules thick, equivalent to approximately 0.5 to 1% of the resin weight. Therefore, the most plausible explanation for the uptake of significant amounts of water is to be found in the micro-cracks, pores and other faults and fissures in the material, particularly since many of these spaces are interconnected and since water can seep, mostly by capillary action, along the length of the fibers into the small spaces when the resin has not become fully bonded to the fibers. This obviously implies that the degree of porosity depends on the glassfiber content and on the adhesivity of the resin. The uptake of water is time-dependent even though it occurs mainly by capillary action rather than by diffusion. Equations relating viscosity, surface tension, contact angle, etc., are given. Secondary effects such as extraction of noncross-linked fractions are noticeable. To reach equilibrium requires a minimum of 25 days at room temperature, some 50 hours at 50°C and 10-20 hours at 90°C; however, in the latter case, extraction is a factor. The currently used adhesives are, of course, supposed to bond to the fibers completely so that the annular pores are avoided. Experiments were carried out to investigate the relationship between the adhesion and the shear strength. The existence of microcracks and capillaries was shown by the uptake of water containing suitable ions, which also demonstrated that samples under mechanical stress take up appreciably greater amounts of water. Orig. art. has 12 formulas.

Cord 2/1

L 31762-65

ACCESSION NR: AP4047851

ASSOCIATION: Forschungsinstitut fur synthetische Harze und Lacke, Pardubice,
CSSR (Synthetic Resins and Lacquers Research Institute)

SUBMITTED: 13Jul64

ENCL: 00

SUB CODE: MT

NO REF SOV: 000

OTHER: 010

Card 3/3

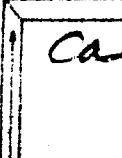
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7

Data on the determination of boric acid. G. VASILACHE, Magyar Chem. Akadémia [37, 55 (1963)]. The titration of H_3BO_3 in neutral saline conte. 1% of mannitol was studied. Acids (except H_3PO_4 and H_2SO_4) do not interfere if neutralized previously with KOH in the presence of methyl red. It was found that 2 distns with H_2SO_4 and $Mg(OH)_2$ served to remove H_3BO_3 from estions. 0.001 mg. of H_3BO_3 could be detected in 2 g. of $Al_2(SO_4)_3$ crystals. The macro- and microchemical detn. of H_3BO_3 is described in detail.

Determination of boric acid. II. Determination of boric acid in natural and artif. metal oxides. G. VASILACHE, Magyar Chem. Akadémia [38, 17-20 (1963)]. The method described is practically the same as that proposed by Whetby and Chapman (J. Polym. Sci., 1960).

AB-5A METALLURGICAL LITERATURE CLASSIFICATION

PRICESSES AND PROPERTIES INDEX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
 Ca	<i>17</i> <p>Color reactions of organotinamides. Klemér Schulek and Gábor Vassagh. Magyar Gyógyszerészeti Társaság Értekezése 18, 222-3 (1929); cf. C. A. 23, 2602P.—Pour cc. of a soln. which contains in 20 cc. water about 0.18-0.20 mg. alkali-tin, or an equiv. amt. of its base and 1% tartaric acid gives a stable blue color on treatment with 7 cc. of the reagent, 8 drops of the oxidant described below. To prep. the reagent mix. concd. H₂O₂ with an equal vol. of distd. water, cool and add 0.12 g. β-dimethylaminobenzaldehyde for each 100 cc. of the mixt. To prep. the oxidant add 1 drop of 20% perhydrol to 5 cc. distd. water. In about 3 min. after addn. of the reagent and oxidant add about 2 mg. of NaHSO₃ to exclude the oxidizing effect of air and det. the color intensity in a Paultsch photometer and compare with a blank. S. S. de Finck.</p>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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The determination of aneurin (vitamin B₁) in drug preparations. Gábor Vastagh. *Magyar Gyógyszerészeti Társaság Értesítője* 16, 75-88 (1940).—A modification of the methods of Jannen (C. A. 31, 1443*) and Karrer and Kubli (C. A. 31, 6275*) is described. Best results were obtained if the sample contained about 5 γ of aneurin hydrochloride in 10 cc. water. To 150 cc. soln. in a separatory funnel add 5 cc. of 1% K₂Fe(CN)₆ soln., mix, add 10 cc. 10% NaOH soln., shake, and let stand for 2 min. Add 20 cc. isobutyl alc., shake for 1 min., filter through fat-free cotton into a 25-cc. measuring flask. Repeat the extra. with 5-6 cc. isobutyl alc., and fill the flask to the mark with the filtrate. If the soln. opalesces (an indication of water in the isobutyl alc.) add 1 g. (anhyd. Na₂SO₄), let stand overnight and filter. Measure the fluorescence of the thiocchrome soln. by means of a Hanau analyzing lamp and a Pulfrich step photometer, and compare with that of a standard soln. prep'd. from cryst. aneurin hydrochloride. If the sample contains other fluorescing substances, aneurin is adsorbed by fuller's earth preps. The method gave results with errors of not more than plus 8 or minus 10%. S. S. de Finály

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11-B

Suitability of the Zeiss glass standard for the determination of fluorescence of aneurine. Csaba Nagy and Ferenc Nagy (Hungarian State Inst. for Publ. Health, Budapest). *Magyar Gyógyszerészeti Társaság Értekezései* 18, 384-394 (1942). The owners of aneurine and the intensity of fluorescence with respect to the Zeiss glass standard is not a linear relationship. Reproducible results can be obtained only if oxidation and separations are made under exactly similar conditions. The soln. to be examd. should not have a vol. greater than 10 cc. It must be placed in a (100-150) cc. separatory funnel. Now 0.5 g. finely powdered NaCl, 3 cc. 1% K₄Fe(CN)₆ soln., and 6 cc. 10% NaOH are added and thoroughly mixed. After 2 min. 2cc. iso-BuOH is added, shaken, and let stand until layers sep. The iso-BuOH fraction is poured into a 25 cc. measuring flask and the remaining soln. again shaken with 5 cc. iso-BuOH, sep'd., added to flask, and made up to mark. Now 1 g. dry NaSO₄ is added to the slightly opalescent soln. and let stand overnight. A 2-cm. layer of the soln. should be compared with the glass standard. At least 5 observations should be made, then cuvette and glass stand and should be exchanged. The final result is called as a mean value of all observations. A graph is published to make calcs. easier, but it is recommended that controls be run, since app. may have individual differences that affect results. Other details of the method were published previously (C.A. 34, 21359). [Sván, Finály]

ASA SEA METALLURGICAL LITERATURE CLASSIFICATION

Determination of aneurine in foods and vitamin preparations Gábor Vastagh (State Inst. Pub. Health, Budapest, Hungary). "Magyar Gyógyszerészeti Folyóirat" 1954, 20, 111-116 (1954). Potato, fruits, and vegetables, should be minced, extracted severally by MeOH-HCl on the water bath, the MeOH evap'd., and the residue dissolved in water contg. HCl. Treatment of flours is similar. Bread and pastes should be treated after disintegration with 1.25% HCl for 15-20 min. on the boiling water bath, then cooled and treated with 2 vols. of MeOH, filtered, washed with MeOH, and the MeOH evap'd. Meat and liver are minced (or rubbed with sand), then some water is added, and the mixt. washed with HCl to pH 1.2 (the bath for 15 min., cooled, treated with 3 times as much MeOH, shaken, and evap'd. The ap. soln. is filtered and adjusted to pH 4.5-5.0. One g. diastase and 10 drops toluene are added to decomp. caseinopeptidase complex and the mixt. held for 5 hrs. at 37°. Milk powder, milk must first be centrifuged to remove fat, then adjusted to pH 4.5-5.0, 1 g. diastase and 1 cc. toluene added, and held at 37° for 5 hrs. Then the soln. is adjusted to pH 3 and 1.5 g. pepsin added to decomp. casein. The mixt. kept at 10° overnight, centrifuged, the residue washed with water, and the wash water and soln. combined. Cheese is treated similarly to milk. Prep.

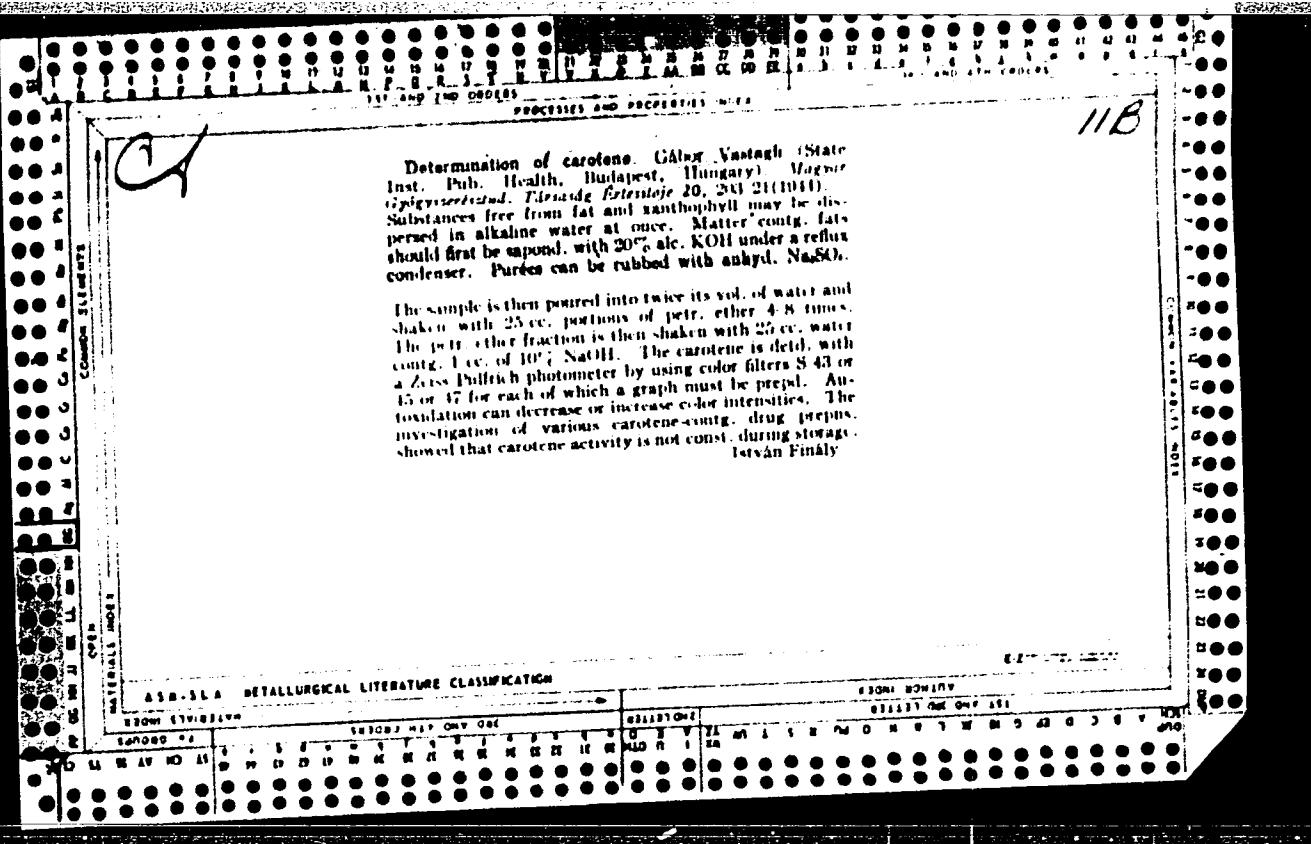
towels should be treated with water contg. HCl, fats removed by repeated extn with petr. ether, and the air suspension treated on the water bath with MeOH. Prep. contg. yeast should first be rubbed with sand to decompose cells. Beer can be treated directly after adjusting the pH value. Drug combinations contg. chlorate, etc., HCl. The aineurine-contg. exts. prep'd. by the above methods must now be adjusted with HCl to pH 3.5-4.0 (their vol. ranging between 40 and 150 cc.), treated with 0.5-7.5 g. of activated fuller's earth, shaken for 15-45 min., filtered, and dried in a vacuum desiccator. The adsorbate is extd. with MeOH for 1 hr., and evap'd. in a dry CO₂ current. A part of the residue is measured directly (this shows content of aineurine) and measured in another, which is treated with NaHSO₃ and in presence of lactic dehydrogenase, treated with barium chloride, and measured. Aineurine content can be calcd. on basis of these two determinations.

Festive Foods

ASB-SEA METALLURGICAL LITERATURE CLASSIFICATION

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CIA-RDP86-00513R001859020009-7"



Is it possible to determine reliably the ascorbic acid content of dehydrated vegetables by chemical methods? Gábor Vastagh and Éva Iván. *Magyar Kém. Lapja* 2, 442-5 (1947). The method of Tillmans and that of Schulek and Floderer have been investigated. The results show that no methods are available for reliable determination of ascorbic acid in dried vegetables. The apparent reducing substance in such products is not identical with ascorbic acid and even if a part of it consists of ascorbic acid this may be present as dehydroascorbic acid. It is proposed to state analytical data as "reducing power in mg. or % of ascorbic acid" until a new method can be found. Éva Iván Finlay

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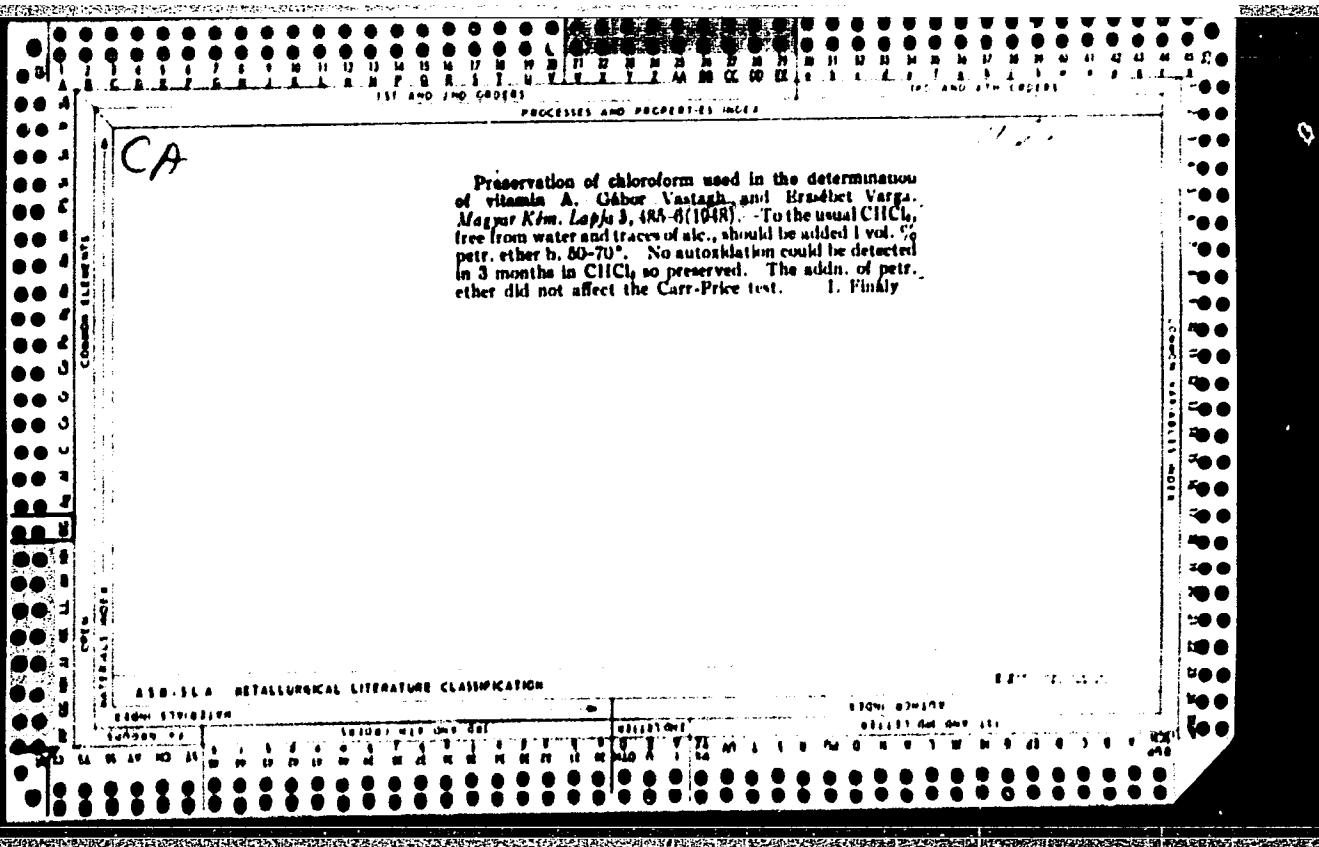
CA

The determination of chlorine in insecticides (Gábor Vastagh and Béni Varga, *Műszaki Lapok*, 3, No. 10, 1958).—The sample is refluxed with metallic Na in petr. ether for 5-6 hrs., any metallic Na left is removed by adding 15-20 cc. water through the condenser tube, the mixt. is acidified with concd. HNO₃, and washed into a sepr. funnel; the aq. phase is sep'd. and washed with a mixt. of petr. ether and amyl ale., then twice with 5 cc. water; the united aq. portions are treated with 10 cc. 0.1 N AgNO₃, and excess AgNO₃ is titrated with 0.1 N thiocyanate. For a micromethod, 0.01 N sodium should be used in the titrations.

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 08/31/2001

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The development of vitamin research in the last decade.
Gábor Vastagh, Magyar Kém. Lapja 4, 129-34 (1940).--
A review with 88 references.

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12

Chemical determination of ascorbic acid in heat-processed vegetable foods. II. Gábor Vastagh and Erzsébet V. Vastagh (State Hyg. Inst., Budapest). Magyar Kém Polgáriai 56, 234 (1959), cf. C.A. 44, 3047a. The method of Mills, et al. (C.A. 43, 6123a) was tested under various conditions. The presence of glucose, fructose, mannose,

succharose, arabinose, and xylose did not interfere with the determination of ascorbic acid. However, under conditions nearly identical with those actually existing in heat-processed vegetable foods the Mills' method (loc. cit.) appeared unsuitable. When, e.g., 1 g. glucose, fructose, mannose, arabinose, or xylose was dissolved in 20 ml. 1% citric acid, refluxed in a CO₂ atm. and treated with dinitrophenylhydrazine, the dinitrophenylhydrazone ppt. readily formed. These dinitrophenylhydrazone, when treated with 85% H₂SO₄, showed colors very similar to those obtained with ascorbic acid. Identical results were obtained with destrin, pectin, and with solns. of the above sugars, which also contained amino acids (glycine, asparagine, and leucine). The separation of the various hydrazones from the hydrazone of ascorbic acid by chromatography was unsuccessful. The results indicate that there is no chem. method suitable for the reliable determination of ascorbic acid in heat-processed vegetable foods. A 0.01M extn of dehydrated kale gave a soln. which apparently contained 0.7% ascorbic acid as detd. from its reducing capacity. The dinitrophenylhydrazine treatment of this soln. gave a mixt., the chief component of which m.p. 240°. This dinitrophenylhydrazone was not identical with the dinitrophenylhydrazone of ascorbic acid, or with the dinitrophenylhydrazone of any of the above sugars. Treatment with H₂SO₄ of the kale dinitrophenylhydrazone gave a product with an intensive color. It was not definite whether the compd. forming this dinitrophenylhydrazone is identical with the substance which is responsible for the strong reducing capacity of the kale ext.

István Finny

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The decomposition of procaine preparations. (Gábor Vastagh and Mrs. Gy. Zollner (Országos Körzetsziszegyi Intézet, Budapest). *Magyar Kém. Folyóirat* 36, 361-61 (1950).—Add 2-3 drops 10% NH_4OH to 1-6 ml. of a soln. contg. about 0.02-0.04 g. procaine, shake 5 times with 15 ml. CHCl_3 , combine the CHCl_3 extn., reshake with 10 ml. water contg. 1 drop NH_4OH , shake the aq. ext. again with some CHCl_3 , add the CHCl_3 phase of this latent extn. to the combined CHCl_3 phases, and add the aq. phase to the combined aq. phases. Pass the combined CHCl_3 phases through anhyd. Na_2SO_4 placed on a piece of cotton, distil until only 10% of the original vol. remains, add 10 ml. 0.02 N H_2SO_4 , treat on a water bath to remove the last traces of CHCl_3 , cool, and titrate with 0.02 N alkali. The amt. of acid bound by the soln. is equal to the sum of unchanged procaine plus diethylaminoethanol. As a control of this procedure another examn. can be introduced. The titrated soln. serves as a primary material at this examn.

which is carried out as follows: Add 1 ml. 1.0 N acid to the titrated liquid, transfer it into a Schülich-Vastagh distg. flask (C.I. 27, 2001), dil. with water to about 100 ml., add some punice stone, and heat. Add 10 ml. 0.02 N H_2SO_4 to the receiving flask. After boiling for 5 min. add 10% NaOH to the distg. flask until methyl red gives an alk. reaction, add 1-2 drops more, distil until 20 ml. remains in the distg. flask, and titrate the distillate with 0.02 N alkali. The result of this titration must agree with the value obtained with the former titration, although the data are generally 2-7% higher than those of the first titration. The liquid remaining in the distg. flask contains β -aminobenzoic acid which was produced from the undecompd. part of the original procaine. The amt. of β -aminobenzoic acid can be detd. by the Schülich-Pöhlerer method (C.I. 29, 7800^a). No connection was observed between the color and rate of decompn. of various procaine preps. Procaine-HCl solns. suitable for storing were obtained by adding 5-20 mg. Na arsenite or 30-50 mg. Na eucalyptate or 50-100 mg. Na glycerinophosphate to 5 mg. procaine in 1 ml. liquid. The pH value should vary from 3.8 to 4.2.
István Finkly

CA

Decomposition of procaine preparations. Gábor Vastagh and Róza Zolnai (Natl. Hyg. Inst., Budapest). *Planta Med.* **Acta Helv.** **27**, 33-43 (1952).—The following method for a detg. of procaine (I) is described: Make alk. a soln. contg. 0.02-0.04 g. novocaine in 1-8 cc., with 2-3 drops of 10% NH₄OH, and ext. the I and the decompn. product, diethylaminoethanol, with five 15-cc. portions CHCl₃. Shake out the combined CHCl₃ exts. with 10 cc. H₂O to which 1 drop of NH₄OH has been added and again ext. the water soln. with CHCl₃. Filter the CHCl₃ soln. through a deflated cotton plug into a flask contg. anhyd. Na₂SO₄, evap. off the CHCl₃ to 0.1 its original vol., add 10 cc. 0.02 N H₂SO₄, expel the remainder of the CHCl₃ on a H₂O-bath, and titrate the cooled soln. with methyl red as indicator against 0.02 N NaOH. The bound acid includes the I as well as the diethylaminoethanol. The latter is removed by steam distn. and detd. in the distillate by titration. The results are tabulated for 18 combinations. Results indicate that I reacts easier with pentoses than with hexoses and least with oligosaccharides. H. M. Burlage

Analysis of essential oils. Jeanne Patin and Michel Vignau. *Ind. pasteur.* **5**, 127-31 (1950).—Detailed methods for detg. the following characteristics are given: solvent content of the oils, yield of absolute from concrete, volatile fractions of absolutes and concretes (methods of Navas and Sebetay, *C.A.* **31**, 8824; **32**, 4564; **34**, 3018), alk. content by isolation as esters of phthalic, boric, benzoic, succinic, or chloroacetic acids or by formation of solid complexes with either CaCl₂ or Na, ester, ether, and hydrocarbon contents. H. A.

154

Determination of total chlorine in DDT and preparations containing DDT. Gábor Vastagh, Erzsébet Vastagh, and Vilma Gervay (State Inst. Hyg., Budapest). *Arch. Pharm.* 285, 165-8 (1962).—A dehydrochlorination method is described in which the sample is added to a suspension of fine Na globules in a Cello-petr. ether mix., the mix. is refluxed, and a small amt. of AmOH is added through the condenser.

Edward H. Sheers

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Experiments to separate glucosides of digitalis by paper chromatography. Gábor Vastagh and Pálné Turcs (Hyg. Inst., Budapest). *Magyar Kem. Folyóirat* 59, 225-8 (1933).—In a series of attempts to sep. glucosides of *D. lanata* and their products of degradation a mixt. of EtOAc and CHCl₃ was used as a mobile phase. Applying Macherey-Nagel No. 214 and Schleicher-Schüll No. 1571 filter papers as a stable phase, the best suitable mobile phase was a 10:8:5 and 10:10:6 mixt. of EtOAc:CHCl₃:H₂O, resp., in case of Digitaland and Digitoxin. Defilements of the filter papers were removed by allowing the strips to stand in an atm. of EtOAc. Ascending chromatography was applied 2.5 hrs. The spraying agent proposed by Svendsen and Jensen (*C.A.* 45, 17264) was used and the fluorescence of filter paper can be reduced by spraying a 5% aq. PhOH soln. on the paper and drying 5-8 min. at 80°. The soln. of SbCl₃ in 20% CHCl₃ proposed by Lawday (*C.A.* 47, 5075e) proved suitable also for developing the chromatogram. Digitoxin and gitoxin run in the proximity of the solvent front while glucosides remain close to the starting line. István Finály

VASIRAH, u.: ZÖLINES, Gy.

"Disintegration of Pontocaine Compounds." p. 362, (MAGYAR KEMIAI FOLYOIRAT, Vol. 59, no. 12, Dec. 1953, Budapest, Hungary)

SO: Monthly List of East European Accessions, LC, Vol.3, No. 5, May 1954/Unclassified

VASTAGH, Gabor

Chemical Abst.
Vol. 48 No. 6
Mar. 25, 1954
Pharmaceuticals, Cosmetics, Perfumes

(3)
Paper partition chromatography of *digitalis* glucosides.
Gábor Vastagh and Ján Tušán (State Hyg. Inst., Budapest). "Pharm. Zentralhalle 92, 88-90(1953).—A preliminary report on the segm. of the glucosides of *Digitalis lanata* by a paper chromatographic method by using a mixt. of dioxane, HgCl_2 , and H_2O in a ratio of 10:8:3. N. L.

HUNG

Separation of ergot alkaloids by paper chromatography.
János Turcsan and Gábor Vastagh (State Hyg. Inst., Budapest). *Pharm. Acta Helv.* 29, 437-438 (1964). — The ergot alkaloids can be sepd. by monophase paper chromatography by using untreated papers and, as solvents, MeOH and a mixt. of toluene-petr. ether. H. M. Burlage

BT

VASTAGH, G.

✓ 1951. The quantitative paper-chromatographic separation of digitalis glycosides. J. Tuson and G. Vastagh. (Staatlich. Hyg. Inst., Budapest). *PLZM. Acta Helv.*, 1955, 30 (12), 444-451. — The exact conditions for making quantitative the paper-chromatographic separation of the digitalis glycosides have been fixed. Low recoveries (\approx 60 per cent.) are obtained, particularly in the usual method of assay, but the percentage loss is practically the same for all the glycosides. The linatoside-C component always contains a hitherto unknown glycoside as impurity. A. R. Roggus

(61)

VITAMIN G

Med Composition of the mycelium arising from penicillin production. B. Láng and G. Vastagh (State Inst. Hyg., Budapest). *Acta Microbiol. Acad. Sci. Hung.* 3, 221-41 (1955) (in German).—In exhaustive alk.-treated frame-work substances an Ac group is present on every N atom. The AcOH content of the residue not subjected to alk. treatment is considerably higher than the calcd. value according to the N content and amounts to at least $1\frac{1}{4}$, and at most 2 times this value. It appears certain that a part of the Ac, at least $\frac{1}{4}$ and at most $\frac{1}{2}$, is not bound to N atoms. A further part of the frame-work substances (at least 20% and at most 40%) likely consists of a N- and Ac-free structure, probably carbohydrate. The phosphate part of the frame-work substance is insol. in water but is completely cleaved on treatment with hot KOH. From this, it is inferred that the P is bound to the HO groups of the carbohydrates as phosphate esters.

William Braker

2-

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859020009-7

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859020009-7"

V / 1 = 100% H₂O

HUNGARY/Chemical Technology. Chemical Products and Their
Applications. Pharmaceuticals. Vitamins.
Antibiotics.

H

Abs Jour: Ref Zhur-Khim., No 8, 1959, 28571.

Author : Zoellnerne, I. E. and Vastagh, G.

Inst :

Title : The Photometric Determination of Sulfamides.

Orig Pub: Acta Pharmac Hung, 27, No 3, 108-112 (1957) (in Hungarian
with a German summary)

Abstract: The amount of solution corresponding to 0.05-0.3 mg of
the substance to be determined is calculated and the
sample is diazotized in the usual way, the excess
 HNO_2 is removed with urea, thymol is added in alkaline
medium, and the very stable orange-yellow solutions ob-
tained, the color of which is not sensitive to small

Card : 1/3

2/3

POLAND/Chemical Technology. Chemical Products and their
Applications. Pharmaceuticals. Vitamins.
Antibiotics.

H

Abs Jour: Ref Zhur-Khim., No 8, 1959, 28569.

notes that when polar solvents (methanol, ethyl ester, chloroform) are used a breakthrough of I is observed, whereas when solutions of petroleum ether, C_6H_6 , and, especially, CCl_4 are used, I is completely adsorbed. The amount of I remaining in solution ($CHCl_3$) was measured. On the basis of the experiments made, it has been established that Rejowicck earth can be used in the chromatographic purification of I from mixtures of vegetable materials. For Part I see RZhKhimBkh, 1957, 6912. -- A. Vavilova.

Card : 2/2

HUNGARY/Chemical Technology. Chemical Products and their
Applications. Pharmaceuticals. Vitamins.
Antibiotics.

H

Abs Jour: Ref Zhur-Khim., N. 8, 1959, 28571.

interferes with the diazotization. -- Yu. Vendel'
shteyn.

Card : 3/3

214

HUNGARY/Chemical Technology. Chemical Products
and Their Applications. Pharmaceuticals.
Vitamins. Antibiotics!

H-17

Abs Jour : Ref Zhur-Khimiya, No 7, 1959, 24474

Author : Vastagh, G., Szaboles, L.

Inst : -
Title : Argentometrical Determination of Hexabarbitural (Evipan) and of Phenobarbitural (Sevonal, Luminal).

Orig Pub : Acta pharmac. hung., 1957, 27, No 3,
113-118

Abstract : As the result of production defects or of excessively high humidity, the "Evipan-Na" (used for intravenous injections) decomposes, when stored in dry ampules, for-

Card : 1/4

HUNGARY/Chemical Technology. Chemical Products
and Their Applications. Pharmaceuticals.
Vitamins. Antibiotics.

H-17

Abs Jour : Ref Zhur-Khimiya, No 7, 1959, 24474

ning various ureides. When the latter
are present in a sufficient quantity, the
preparation becomes partially insoluble.
For the detection of decomposition or of
presence of "free acid" in a preparation,
the usual acidimotrical titration or the
determination of total N is insufficient.
Contrary to the information found in li-
terature, the authors demonstrated a pos-
sibility of determining the above by employ-
ing precise titration with 0.1 n 1g NO_3^- con-
tained in a buffer solution (H_3BO_3 - KNO_3 -
- NaOH) at 8.8 pH (1 weight equivalent of

Card : 2/4

H-88

HUNGARY/Chemical Technology. Chemical Products
and Their Applications. Pharmaceuticals.
Vitamins. Antibiotics.

H-17

Abs Jour : Ref Zhur-Khiniya, No 7, 1959, 24474

Ag corresponding to 2 mols of evipan). In this titration the above mentioned decomposition products do not interfere with the determination. A preparation which contains not less than 97 percent of evipan, should be considered suitable for use. When the deviation from 100 percent is great, it becomes necessary to determine the water content in order to establish factors responsible for the low content of the substance in a preparation. If water content is within normal limits (5 percent allowable), then the presence of the mentioned decomposi-

Card : 3/4

HUNGARY/Chomical Technology. Chemical Products
and Their Applications. Pharmaceuticals. H-17
Vitanins. Antibiotics.

Abs Jour : Ref Zhur-Khimiya, No 7, 1959, 24474

tion products has to be choctod. Analogi-
cally, but at 7.8 pH it is possible to con-
duct argentometrical titrations for luminal
or for Na-luminal. -- Yu. Vendol'shteyn

Card : 4/4

H-89

✓ 3430. Bromimetric determination of Veritol (pholedrine) and Paredrine (Pużoton) [hydroxyamphetamine]. E. Varga and G. Vastagh (Staatslichen Inst. f. Hygiene, Budapest). *Pharm. Zentralh.*, 1957, 88 (4), 149-152.—This method for the determination of pholedrine and hydroxyamphetamine is based on quant. bromination in acid soln. Procedure—Dissolve the sample (\approx 15 mg of base) in 10% H_2SO_4 (5 ml), dilute with H_2O (10 ml) and add 0.1 N $KBrO_3$ (10.0 ml), KBr (0.5 g) and 50% H_2SO_4 (5 ml). Shake in a stoppered flask, add KI (0.3 g) and dilute with H_2O (50 ml). Titrate the iodine equiv. to the excess of Br with 0.1 N $Na_2S_2O_3$ with starch as indicator. Perform a blank titration. Recovery experiments indicate that the error is $< \pm 0.5\%$. Leptazol does not interfere. A. R. ROGERS

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859020009-7

VASTAGH, G.

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859020009-7"

COUNTRY	:	Hungary	5-17
CATEGORY	:		
ABS. JOUR.	:	RZKhim., No. 22 1959 №•	7956-
AUTHOR	:	Varga, E. and Vastaghi, G	
INST.	:	Not given	
TITLE	:	The Determination of Fenurit (Diamox)	
CRIG. PUB.	:	Acta Pharmac Hung, 28, No 1-2, 44-49 (1953)	
ABSTRACT	:	It has been established that Fenurit (Diamox, 2-acetylaminob-sulfamido-1,3,4-thiadiazole, I) on treatment with alkali cleaves in such a way that the takeup of cerium bromate, hypoiodite, and sulfate is a function of the concentration of the alkali used. The authors have developed a bromometric method for the determination of I in tablets. 0.06-0.12 gm of sample is refluxed for 30 min with a 30% solution of NaOH, and the resulting solution is diluted with water to 50 ml. to give an	
CARD#	1/5	220	

COUNTRY:	:	Hungary	i-1/
CATEGORY:	:		
ABS. JOUR.	:	RZKhim., No. 22 1959 No.	79104
AUTHOR:	:		
PERIOD:	:		
TITLE:	:		
ORIG. PUBL.:	:		
ABSTRACT:	:	alkaline solution. 5 ml of the latter solution are diluted with 5 ml water, 10 ml of 0.1 N FeBr_3 solution and 0.5 gm KBr are added, the resulting solution is acidified with 10 ml of 10% HCl and allowed to stand for 5 min. After which about 1 gm of RI is added, the solution is shaken and titrated with 0.1 N $\text{Na}_2\text{S}_2\text{O}_3$ with starch as indicator. One ml of 0.1 N FeBr_3 solution is equivalent to 0.01036 gm I. In the determination of the hypiodite, 5 ml of the same	
CARD:	:	2/5	

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F-1

APS. JOUR.

RZhChim., No. 22 1959 No.

2-10.

AUTHOR

1

LINE,

2

TITLE

2

ORIG. PUB.

3

ABSTRACT

1 solution is treated with 10 ml of 0.1 N I₂. After reaction, the resulting solution is filtered with filter paper, and titrated with 0.1 N Na₂S₂O₃. One ml of 0.1 N I₂ solution is equivalent to 0.125 mg of C. The above method cannot be used when the samples contain milk sugar.

J. Raytsev

Scanned 2/5

221

COUNTRY	: U.S.S.R.
CATEGORY	: Chemical Technology. Chemical Products and Their Uses. Part 3. Synthetic and Natural
ABS. JOUR.	: RZhKhim., No. 1 1960, No. 2151
AUTHOR	: Zollner-Syudane, J. E.; Vastagh, G.
JOUR.	: "
TITLE	: Determination of p-nitrophenyl diethyl phosphate (Oligoester)
ORIG. PUB.	: Acta pharmac. hung., 1960, 25, No 3, 120-124
ABSTRACT	: For the quantitative determination of p-nitrophenyl diethylphosphate (1) in a solution in liquid paraffin used for the treatment of leprosy. It is extracted with 25% $\text{Ca}_3(\text{PO}_4)_2\text{CH}_2$, the extract is acidified with HCl , reprecipitated, then the NH ₂ -group is diazotized, combined with medicinal substances. Galenicals and Medicinal Forma

COPY:

1/2

H-17

COUNTRY : Hungary
CATEGORY :

ABS. JOUR. : RZKhim., No. 1959, No. 87596

AUTHOR : Dupcza, K.; Kelemenne-Kuttel, I.; Vastagh, G.
INST. :
TITLE : Determination of Anesthesin in the Presence
of Phenacetin.

ORIG. PUB. : Acta pharmac. hung., 1959, 29, No 1, 6-10

ABSTRACT : A procedure has been developed for separation of anesthesin (I) and phenacetin (II), based on acetylation of the mixture of Na-salt of p-aminobenzoic acid and p-phenetidine which is obtained from I and II by alkaline hydrolysis. Acetylation is effected with $(CH_3CO)_2O$ in the presence of $NaHCO_3$, and there is obtained the Na-salt of p-acetylaminobenzoic acid and II, which can be readily separated due to their different solubility, and can be determined gravimetrically or by titration. Mixture of I and II (more than 0.2 g) is dissolved in 10 ml of 1% HCl, 2 ml of 10% NaOH are added, heated (80° , 30 minutes), then neutralized and acetylated 10 minutes with 15 drops of

CARD: 1/2

COUNTRY : Hungary

H-17

CATEGORY :
ABS. JOUR. : RZKhim., No.

1959, No. 87596

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : (C₆H₅CO)₂O, added 1.0 g NaHCO₃, made alkaline
and if is extracted with CHCl₃. The solution is made acid,
allowed to stand for 30 minutes, p-CH₃CONHC₆H₄COONa is
extracted 5-6 times with 30 ml portions of a mixture of
freshly distilled iso-C₃H₇OH and CHCl₃ (1:1).

S. Rozenfeld.

CARD: 2/2

216

VASTAGH, Gabor, a kemial tudomanyok doktora

History of iron manufacturing at Szekelyhuta. Muzsaki kozl MTA
25 no.1/4:145-175 '60.
(Hungary--Iron) (EEAI 9:?)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859020009-7

VASTAGH, Gabor, dr.

One thousand year-old iron smelting furnaces. Musz elet 17
no.26:4 20 D '62.

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859020009-7"

VASTAGH, Gabor, Dr.techn.

The iron smelter of Hamor. Koh lap 95 no.2:89-95 F '62.

VASTAGH, Gabor, Dr.

Metallurgical relics of Hungary Pt.1. Koh lap 95 no.5:231-237
My '62.

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859020009-7

VASTAGH, Gabor, dr. techn.

The Szendro iron foundry. Koth lap 96 no. 74328-332 Jl 163.

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859020009-7"

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859020009-7

VASTAGH, Gabor, dr. techn.

An early Hungarian blast furnace. Koh lap 96 no.7:333-334
JL '63.

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859020009-7"

V. I. P. G., G.

Lowering the level of underground water by means of vacuum wells. p. 18.
(MASZAKI ELET. No. 4, Feb. 1955. Budapest.)

SO: Monthly List of East European Accession. (MÁL). Ic. Vol 1 Nov. 11 Nov. 1955 (tel.)

Yakubov, M.

Cofferdam and pile driving by means of vibration. p.169. INVENTION PLOVANTZ
SZEPO. Budapest. Vol. 6, no. 4, Apr. 1956.

SOURCE: West European Accessions List (EWAL), Library of Congress
Vol. 5, No. 12, December 1956

VASTAGH, GEZA.

Vastagh, Geza. Melyepitoipari kezikonyv. Osszeallitottak: Vastagh Geza, Szalay Jozsef, Vagi Sandor. Budapest, Kozlekedes es Melyepitestudomanyi Konyv es Folyoiratkiado Vallalat, 1951, 200 p. (Civil engineering handbook. Vol. 1. illus)

SO: Monthly List of East European Accessions, LC, Vol. 3, No. 5, May 1954/Unclassified

VASTAGH, Gyula

Our local state industry on the way of development. Pecsi musz
szeml 5 no.1:8-9 Ja-F '60.

SZECHY, Karoly, dr.; KARADI, Gabor, dr., a muzaki tudomanyok kandidatusa;
VASTAGH, Geza; MOLNAR, Lajos.

Remarks about the study of Dr. Geza Ollos, Matild Deli, Csaba
Szolnoky entitled "Results of model experiments in groundwater
level lowering by vacuum wells". Hidrologiai kozlony 43 no.4:
328-336 Ag'63.

1. Magyar Tudomanyos Akademia levelezo tagja (for Szechy).

TOROK, Janos, dr.; VASTAGH, Katalin technikai kozremekodesevel

Clinical significance of the hemagglutinin test in tuberculosis.
Orv. hetil. 96 no.46:1261-1269 13 Nov 55.

1. A Szegedi Orvostudomanyi Egyetem Gyermekklinika janak
(igazgato: Waltner Karoly dr. egyet. tanar) kozlemenye.
(TUBERCULOSIS, in infant and child
diag. by Middlebrook-Dubos reaction, value)
(HEMAGGLUTINATION
Middlebrook-Dubos reaction, diag. value in tuberc.
in inf. & child)

VASTEROV, Nikolay Gavrilovich; KUZNETSOV, G.A., red.; LIFEROVA, A.I.,
red.izd-va; FOMICHEV, P.M., tekhn.red.

[Fur farming] Zverovedstvo. Moskva, Izd-vo TSentrosoiuza, 1961.
270 p. (MIRA 14:7)
(Fur farming)

KULENDIK, Vladimir MUDr; VASTNY, Vaclav MUDr

Experiences with treatment of spinal cord injuries. Rozhl.chir.
34 no.7:431-438 Aug 55.

1. Z Vyskumuho ustanova traumatologickeho v Brne: reditel prof.
MUDr Vl.Nevak

(SPINAL CORD, wounds and injuries
etiol., diag. & ther.)

(WOUNDS AND INJURIES
spinal cord, etiol., diag. & ther.)

VASU, S.; CIRSTEANU, M.; MACOVSCHE, E.

Effect of urease and B-amylase on the urea, and consequently on the starch, in
the presence of certain glycoproteic coacervates. p.933.

COMUNICARILE. Bucuresti, Romania, Vol. 7, no. 11, Nov. 1957.

Monthly List of European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959.

Uncl.

VASU, S.; CIRSTEANU, M.; MACOVSCHE, E.

Effect of ureases upon ur-a, and the B-amylases upon starch in the presence of some glucoprotein coacervates. In Russian. p. 279.

REVUE DE CHIMIE. JOURNAL OF CHEMISTRY. (Academia Republicii Populare Române)
Bucuresti, Rumania. Vol. 2, no. 2, 1957.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959.

Uncl.

VASU, S.

Behavior of Succinic dehydrogenase and of endogenous respiration of cerebral homogenes of a rat in the presence of lecithin emulsions. p. 529.
(COMUNICARILE. Rumania. Vol. 5, no. 3, Mar. 1955)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

VASU, S.; RADULESCU, T.

Some quaternary ammonium salts derived from the 2-fluorenamine and the 2,
7-diaminofluorene. p. 72.

CUMUNICARILE. Bucuresti, Rumania, Vol. 8, no. 8, Aug. 1958

Monthly list of European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

VASU, S.

Pectolite enzymes in *Aspergillus niger*. Pt.1. Studii cerc biochimie
6 no.1:71-86 '63.

1. Institutul de biochimie al Academiei R.P.R., Bucuresti.



SERBAN, M.; TANASESCU, D.; VASU, S.

Contributions to the application of the Lowry micromethod under conditions of protein fraction evaluation eluted by gradient chloride of potassium concentration. Studii cerc biochimie 6 nr.1:115-123 '63.

1. Institutul de biochimie al Academiei R.P.R., Bucuresti.



LUTA-MOLDOVEANU, N.; ARNET, L.; VASU, S.; FILIPESCU, H.; SELARIU, C.;
FURNICA, M.; MIHAESCU, S.; MOTET-GRIGORAS, D.

General problems; research methods; reviews. Studii cerc
biochimie 6 no.1:126-130 '63.

TANASESCU, D.; FILIPESCU, H.; VASU, S.

Biochemistry of microbes; viruses; bacteriophages; antibiotics;
immunochemistry; reviews. Studii cerc biochimie 6 n.1:132-134
'63.

X

COTARIU, D.; SCHELL, H.D.; LUTA-MOLDOVEANU, N.; ARNET, L.; FILIPESCU, H.;
FURNICA, M.; VASU, S.; MOTET-GRIGORAS, D.

Animal biochemistry; reviews. Studii cerc biochimie 6 no.1:
137-142 '63.

X

TANASESCU, D.; IORDACHE, C.; VASU, S.; ARNET, L.; FURNICA, M.;
MOTET-GRIGORAS, D.

General problems; research methods; reviews. Studii cerc biochimie
6 no.2:289-292 '63.

X

COTARIU, D.; VASU, S.

Protein biochemistry; Glycide biochemistry; Lipide biochemistry;
Enzymes; Vitamins; hormones; other bioactive compounds; reviews.
Studii cerc biochimie 6 no.2:293-295 '63.

*

TANASESCU, D.; VASU, S.

Microbe biochemistry; viruses; bacteriophages; antibiotics;
immunochemistry; reviews. Studii cerc biochimie 6 no.2:295
'63.

COTARIU, D.; VASU, S.; MOTET-GRIGORAS, D.; ARNET, L.

Plant biochemistry; reviews. Studii cerc biochimie 6 no.2:
296-297 '63.

LUTA-MOLDOVEANU, N.; COTARIU, D.; SCHELL, H.D.; IORDACHE, C.; FILIPESCU, H.;
FURNICA, M.; MOTET-GRIGORAS, D.; VASU, S.

Animal biochemistry; reviews. Studii cerc biochimie 6 no.2:297-304
'63.

H.

COTARIU, D.; SCHELL, H.D.; IORDACHE, C.; LUTA-MOLDOVEANU, N.; VASU, S.;
ARNET, L.; MOTET-GRIGORAS, D.

Medical biochemistry; reviews. Studii cerc biochimie 6 no.2:
304-310 '63.

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859020009-7

SCHELL, H.D.; VASU, S.

Technical biochemistry; pharmacology; toxicology; reviews. Studii
cerc biochimie 6 no.2:310-312 '63.

X

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859020009-7"

SOMALI, H.D.; VASU, S.

Technical biochemistry; pharmacology, toxicology. Studii cerc
biochimie 6 no.3:446-447 '63.

VASU, S.

Protein biochemistry. Studii cerc biochimie 7 no.1:122-123
'64.

MOLDOVEANU, N.; TANASESCU, D.; VASU, S.; MOTET-GRIGORAS, D.;
BATCU, A.

General problems. Research methods. Studii cerc biochimie 7
no.1:119-122 '64.

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859020009-7

SCHELL, H.D.; VASU, S.

Vitamins; hormones, other biactive compounds. Studii cerc
biochimie 7 no.1:123-124 '64.

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859020009-7"

FILIPESCU, H.; MOLDOVEANU, N.; VASU, S.

Plant biochemistry. Studii cerc biochimie 7 no.1:125-126
'64.

MOLDOVEANU, N.; VASU, S.

Food biochemistry. Studii cerc biochimie 7 no.1:132-133
'64.

FILIPESCU, H.; VASU, S.

Technical biochemistry. Studii cerc biochimie 7 no.1;133
'64.

VASU, S.

"Technology and industrial applications of enzymes" by [ing.]
I. Visilescu. Reviewed by S. Vasu. Studii cerc bichinie 7
no.2:301-302 '64.

L 33685-66 SCTB DD

ACC NR: AP6024252

SOURCE CODE: CZ/0032/65/015/008/0582/0588

AUTHOR: Vasulin, M. (Doctor of medicine; Brno) Oslejsek, O. (Engineer; Candidate of sciences; Brno)

41
B

ORG: none

TITLE: Heat exchanger for deep hypothermy

SOURCE: Strojirenstvi, v. 15, no. 8, 1965, 582-588

TOPIC TAGS: heat exchanger, blood, surgery, hypothermia

ABSTRACT: The article describes a new type of heat exchanger developed for cooling blood during operations carried out in a state of deep hypothermy. The exchanger is outstanding for its small size and high efficiency and is easy to clean and sterilize. Hydraulic and thermal properties of the exchanger are discussed in detail. This paper was presented by Engineer J. Schneller. Orig. art. has: 11 figures, 10 formulas and 2 tables. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 13, 06 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 017

Card 1/1

PP

UDC: 536.24:536.48

0915

1903

VASU, SABIN SOKIA

Succinic dehydrogenase and the endogenous respiration
of homogenates of rat brains in the presence of emulsions
of lecithin. Preliminary note. Sabin Sabin Vasu. *Comun.
acid. rep. popularare Române* 5, 529-33 (1955). With manometric
measurements and Thunberg's method it was
shown that 2% lecithin emulsions (I) decrease the activity
of succinic dehydrogenase (II) in brain homogenates but
increase slightly the endogenous respiration of these homo-
genates. The higher the concn. of I the greater the activity
of II. It possibly acts on the surface of the interfaces of
water and I.

Emanuel Merlinger

Quaternary ammonium salts of 2-aminofluorene and 2,7-diaminofluorene. Traian Radulescu and Sabin Sorin Vasu. *Comun. acad. rep. populare Rom.* n° 8, 193-8 (1938).—Condensation of 2-aminofluorene and 2,7-diaminofluorene with monochloroacetyl chloride yields 2-(α -chloroacetamido)fluorene and 2,7-bis(α -chloroacetamido)fluorene. On addn. of tertiary bases such as Me_3N , Et_3N , or $\text{C}_4\text{H}_9\text{N}$ the following quaternary ammonium salts are obtained: 2-(trimethylammoniumacetamido)fluorene chloride, 2-(triethylammoniumacetamido)fluorene chloride, 2-(pyridiniumacetamido)fluorene chloride, 2,7-bis(trimethylammoniumacetamido)fluorene dichloride, 2,7-bis(triethylammoniumacetamido)fluorene dichloride, and 2,7-bis(pyridiniumacetamido)fluorene dichloride. These compds. have a negligible fluorescence but a certain curing activity, especially those contg. 2 quaternary ammonium groups. J. Segall

3/21/67
4E 3 d
4E 2 c (f)
J

VASU, Sabin-Sorin

"Actiunea ureazei amilazie asupra ureei, respectiv amidonului, in prezenta unor coacervate gluconroteice." Comunicarile Academiei Republicii Populare Romane, Vol. 7, No. 11, 1957.

Vasile, V.

RUMANIA / Chemical Technology. Chemical Products and H
Their Application. Cellulose and Its Deriv-
atives. Paper.

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 33519.

Author : Secuiu, I., Vasu, V.

Inst : Not given.

Title : The Utilization of Coniferous Wood Pulp Waste
Materials in the Production of Cellulose Paper.

Orig Pub: Celuloza si hirtie, 1958, 7, No 8, 319-324.

Abstract: Data were supplied on the utilization of sawmill
waste materials from the cellulose mill, imeni
"Nicolae Balcescu". It was indicated that the
humidity of the waste materials, when delivered
to the mill, should not exceed 18%. -- From the
authors' summary.

Card 1/1

286

VASU, V.

TECHNOLOGY

Periodicals: CELULOZA SI MFTIE. Vol. 7, no. 8, Aug. 1958

VASU, V. Utilization of the softwood waste in the Nicolae Balcescu Cellulose and Paper Plant. p. 319.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2,
February 1959, Unclass.

VASU, V.; CAZACU, N.

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Author : Vasucej Antonin

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Abstract : The author considers the problem of the derivation of formulas for reflection and transmission of light by thin metallic layers. Errors made by others in the derivation of these formulas are indicated. The correct formulas are given for the reflected and transmitted light.

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V. Enenkl.
(HEART DEFECTS CONGENITAL) (HYPOTHERMIA INDUCED)
(HEART SURGERY)